

07-23-04

2177/41



PATENT

ATTORNEY DOCKET NUMBER: 01239

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: **Ramesh Bhashyam**Serial No.: **10/038,783**Filed: **December 31, 2001**Title: **"Optimizing an Exclusion Join
Operation Using a Bitmap Index
Structure"**§
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§
§

Group Art Unit: 2177

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JUL 26 2004

Technology Center 2100

Examiner: **Greta Lee Robinson**Attorney Docket No: **10239**

Mail Stop Amendment
Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING VIA EXPRESS MAIL
37 C.F.R. §1.10

PURSUANT TO 37 C.F.R. 1.10, I HEREBY CERTIFY THAT I HAVE A
REASONABLE BASIS FOR BELIEF THAT THIS CORRESPONDENCE IS BEING
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MAIL STOP AMENDMENT
HONORABLE COMMISSIONER FOR PATENTS
P.O. Box 1450
ALEXANDRIA, VA 22313-1450

Susan D. Ritchey
SUSAN D. RITCHEY

DATE OF MAILING:
EXPRESS MAIL LABEL:

JULY 21, 2004
EV449865944US

TRANSMITTAL LETTER

Sir:

Applicant hereby submits the following document to be filed with the United States Patent and Trademark Office:

1. Response to Non-Final Office Action Mailed April 21, 2004; and
2. Postcard.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

The Commissioner is authorized to debit Deposit Account No. 50-1673 for any underpayment of fees which may be due in association with this filing under 37 C.F.R. §§ 1.16-1.18.

Respectfully submitted,

A handwritten signature in black ink, reading "Howard Speight", written over a horizontal line.

Howard L. Speight

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ATTORNEY FOR APPLICANT

Date: July 21, 2004

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ramesh Bhashyam

Group Art No. 2177

Serial No.: 10/038,783

Filed: 12/31/2001

Examiner: Greta Lee Robinson

For: **OPTIMIZING AN EXCLUSION
JOIN OPERATION USING A
BITMAP INDEX STRUCTURE**

Attorney Docket No.: 10239

**RESPONSE UNDER 37 C.F.R. §1.111 TO
NON-FINAL OFFICE ACTION MAILED APRIL 21, 2004**

MAIL STOP Amendment
Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING VIA EXPRESS MAIL

PURSUANT TO 37 C.F.R. § 1.10, I HEREBY CERTIFY THAT I HAVE INFORMATION AND A REASONABLE BASIS FOR BELIEF THAT THIS CORRESPONDENCE WILL BE DEPOSITED AS EXPRESS MAIL POST OFFICE TO ADDRESSEE WITH THE UNITED STATES POSTAL SERVICE ON THE DATE INDICATED BELOW, AND IS ADDRESSED TO:

MAIL STOP AMENDMENT
HONORABLE COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450.

SUSAN D. RITCHEY

JULY 21, 2004

EXPRESS MAIL LABEL: EV449865944US
DATE OF MAILING: 07/21/04

Dear Sir:

In response to the Non-Final Office Action mailed April 21, 2004, Applicant respectfully requests reconsideration of the rejections set forth in the Office Action.

The amendments are formatted and presented in accordance with the Revised Format for Amendments promulgated in 2003 by the U.S. Patent and Trademark Office.

As the three-month shortened statutory period for reply is July 21, 2004, this Response is considered timely filed.

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims, if any, are reflected in the "Listing of the Claims" which begins on page 7 of this Response.

Remarks begin on page 16 of this Response.

Amendments to the Drawings begin on page 19 of this paper.

An **Appendix** including a replacement Abstract begins on page 20 of this Response.